TUGAS KELIMA

STATISTIKA DESKRIPTIF

NAMA : MUKHAMAD IKHSANUDIN

NIM : 082011633086

S1 SISTEM INFORMASI

FAKULTAS SAINS DAN TEKNOLOGI

UNIVERSITAS AIRLANGGA

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```
library(readxl)
AllData <- read_excel("JK, TB, Umur, Pend.xlsx")
View(AllData)
```

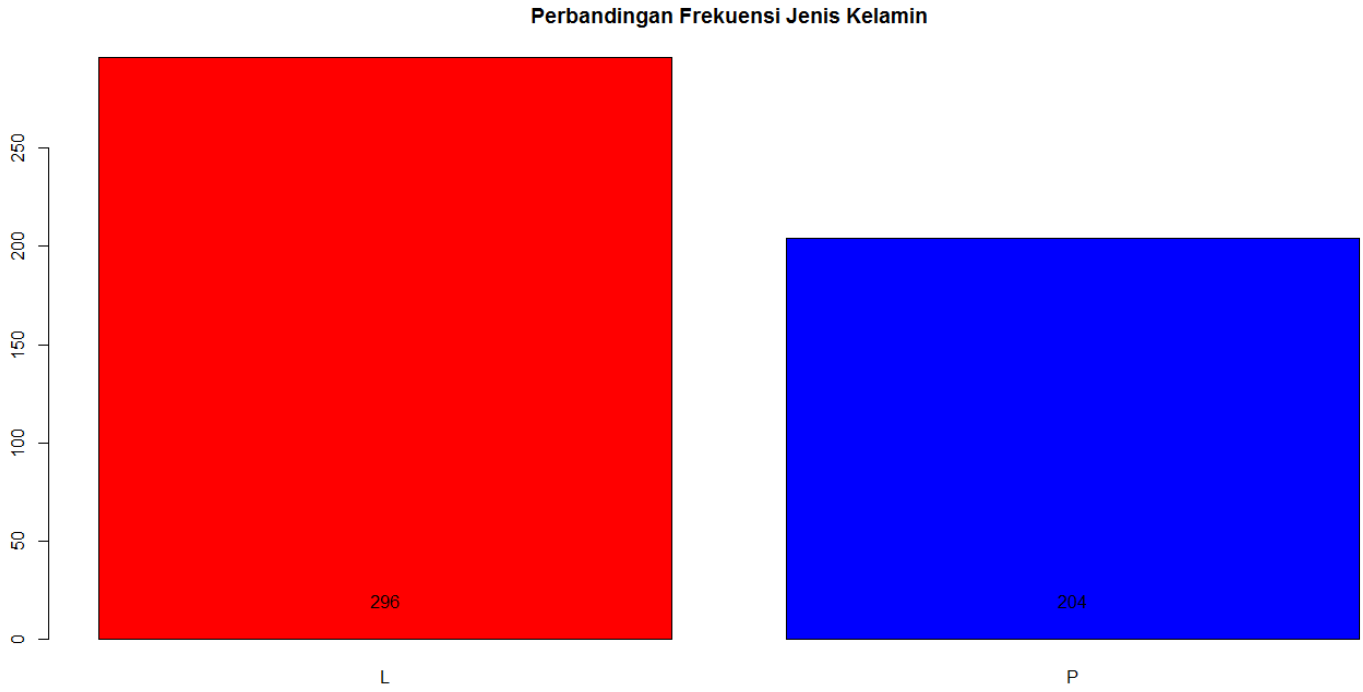
1. Pengolahan Data Nominal

   # Menggunakan data Jenis kelamin

```
JK = table(AllData$`Jenis Kelamin`)
```

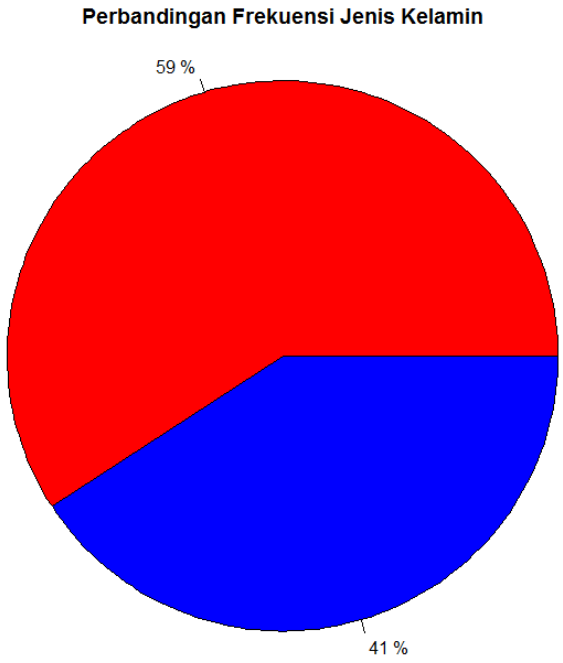
a. Barplot

```
text(barplot(JK, main = "Perbandingan Frekuensi Jenis Kelamin", col
= c("red", "blue")), 20, JK)
```



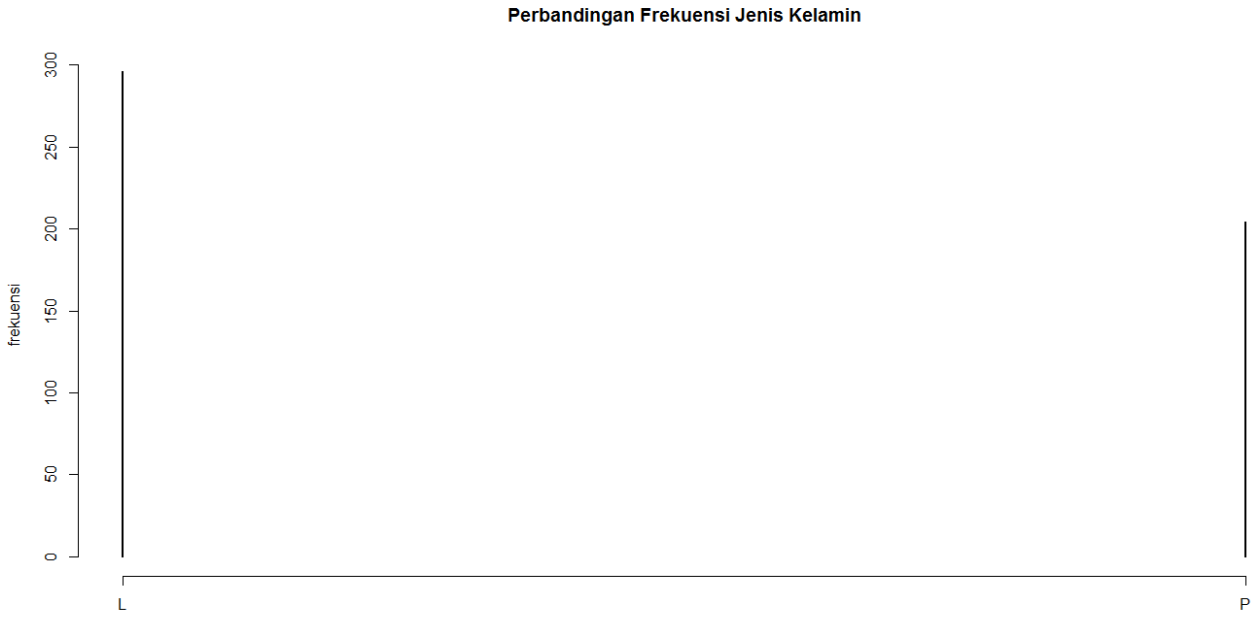
b. Pie Chart

```
persen <- round(JK/sum(JK)*100)
NewJK <- paste(persen, "%", sep = " ")
pie(JK, radius = 1, labels = NewJK, col = c("red", "blue"),
main = "Perbandingan Frekuensi Jenis Kelamin")
```



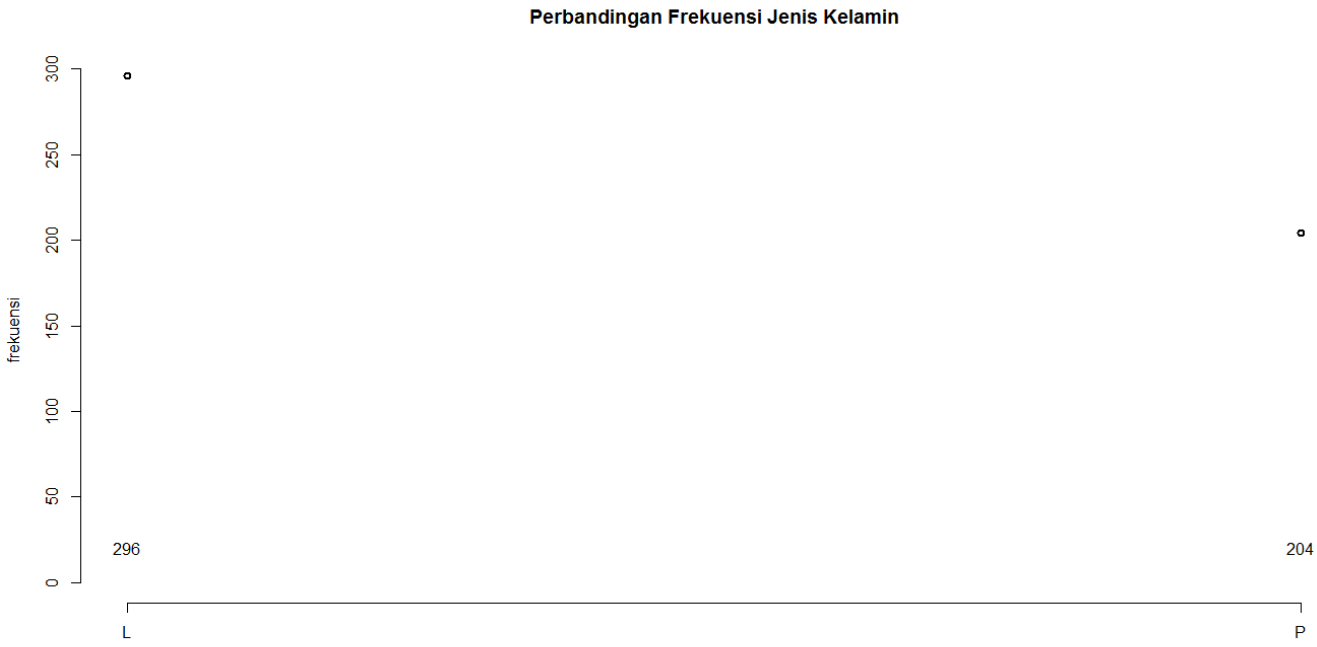
c. Plot

```
plot(JK, ylab = "frekuensi", main = "Perbandingan Frekuensi
Jenis Kelamin")
```



d. Scatter Plot

```
text(plot(JK, ylab = "frekuensi", main = "Perbandingan
Frekuensi Jenis Kelamin", type = "p"), 20, JK)
```



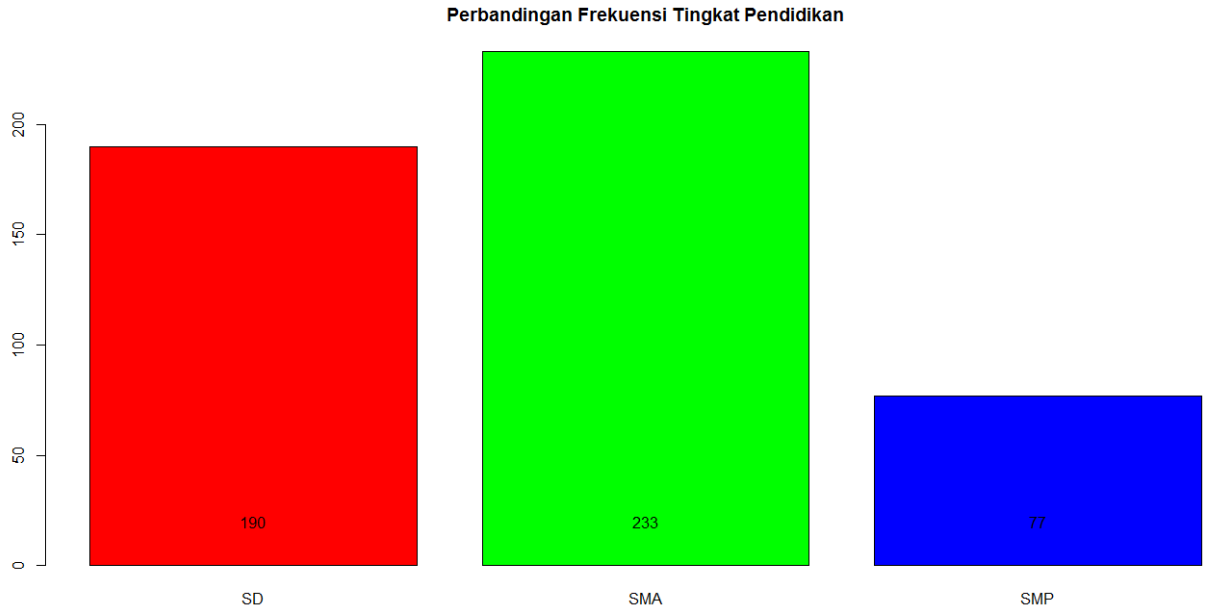
2. Pengolahan Data Ordinal

Menggunakan data Pendidikan Terakhir

```
Pend = table(AllData$`Pendidikan Terakhir`)
```

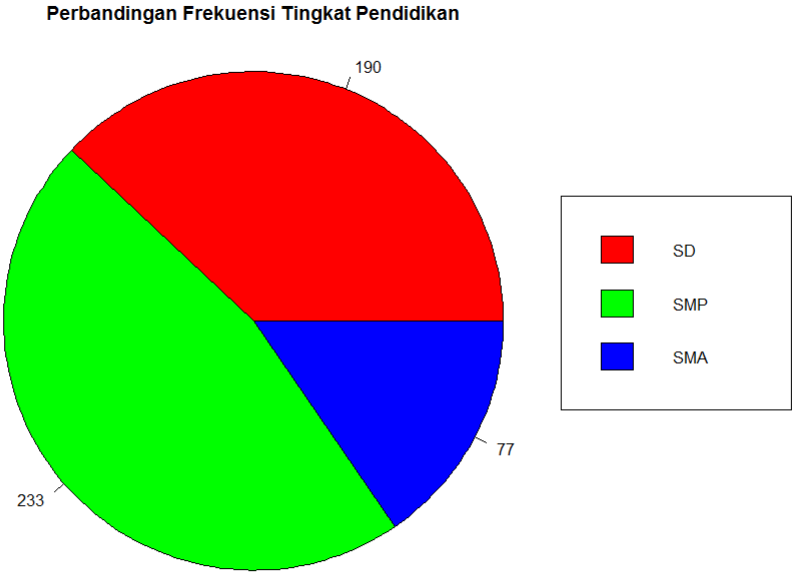
a. Barplot

```
text(barplot(Pend, main = "Perbandingan Frekuensi Tingkat
Pendidikan", col = rainbow(3)), 20, Pend)
```



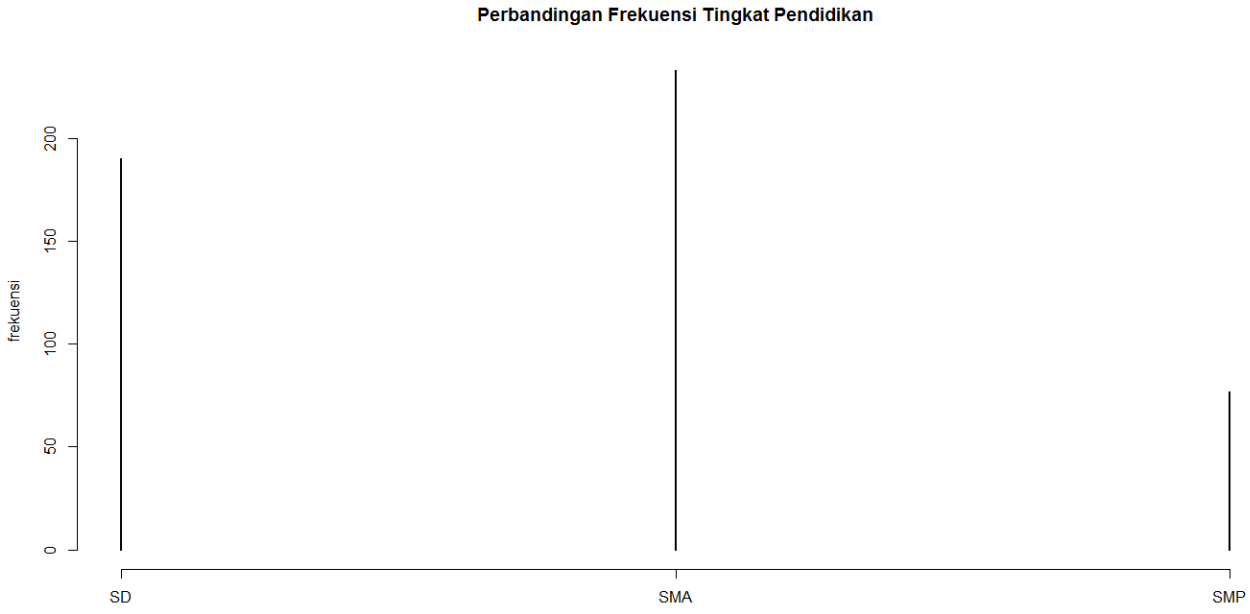
b. Pie Chart

```
pie(Pend, radius = 1, labels = Pend, col = rainbow(3), main =
"Perbandingan Frekuensi Tingkat Pendidikan")
legend(1, 0.5, c("SD", "SMP", "SMA"), cex = 1, fill =
rainbow(3), xjust = -0.25)
```



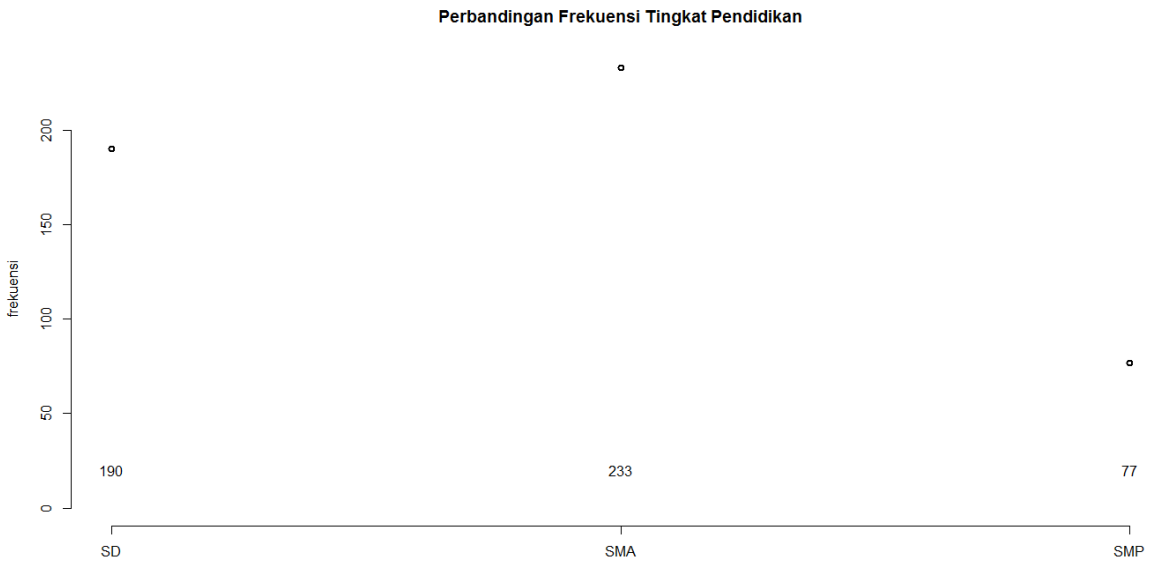
c. Plot

```
plot(Pend, ylab = "frekuensi", main = "Perbandingan Frekuensi
Tingkat Pendidikan")
```



d. Scatter Plot

```
text(plot(Pend, ylab = "frekuensi", main = "Perbandingan
Frekuensi Tingkat Pendidikan", type = "p"), 20, Pend)
```



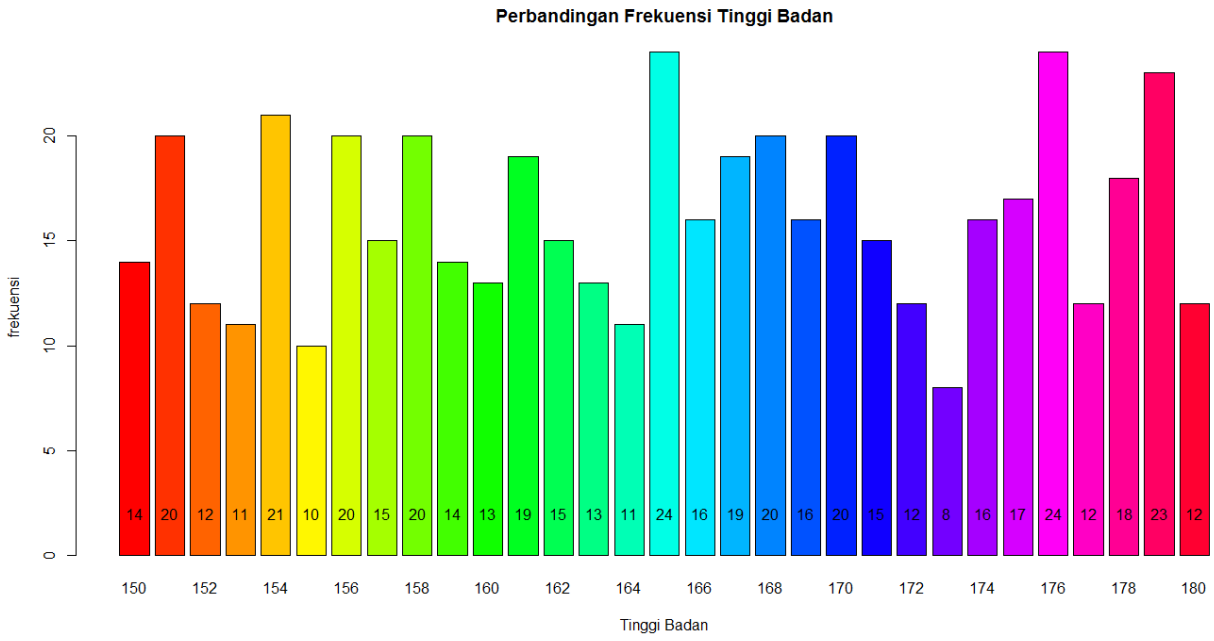
3. Pengolahan Data Rasio

   # Menggunakan data Tinggi Badan

```
TB <- table(AllData$`Tinggi Badan`)
```

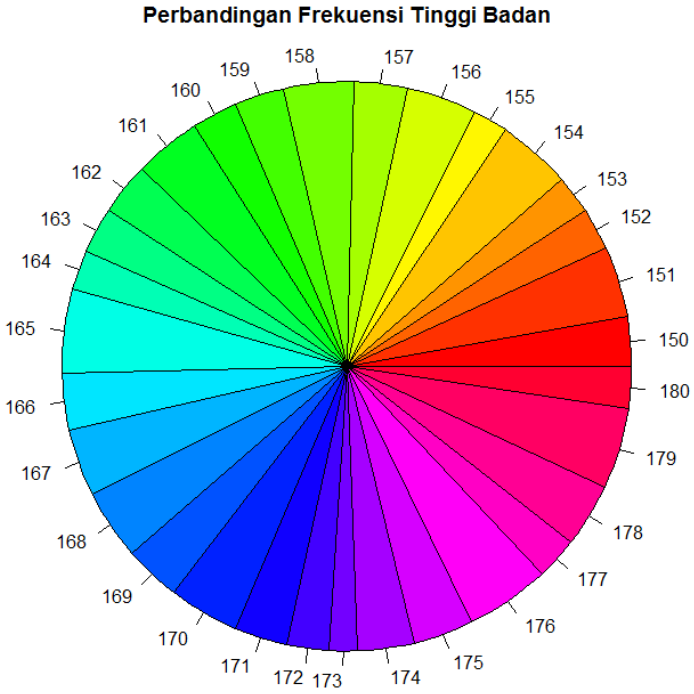
a. Barplot

```
text(barplot(TB, main = "Perbandingan Frekuensi Tinggi Badan",
col = rainbow(31), xlab = "Tinggi Badan", ylab = "frekuensi"),
2, TB)
```



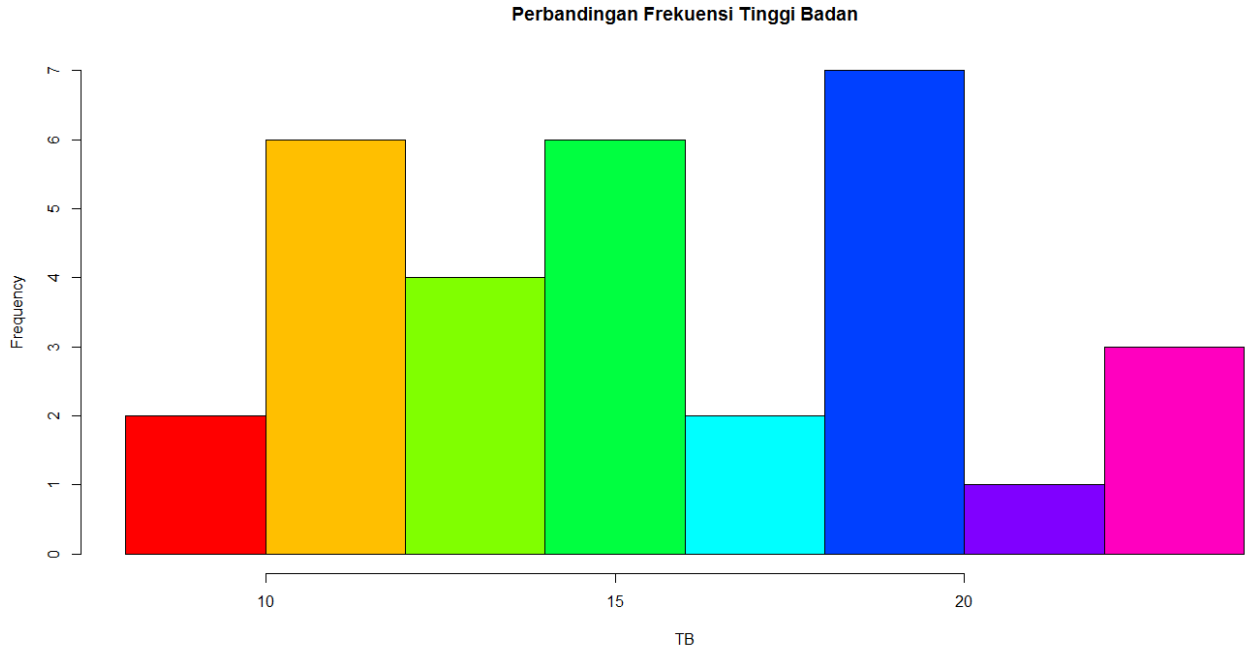
b. Pie Chart

```
pie(TB, radius = 1,clockwise = FALSE, col = rainbow(31), main
= "Perbandingan Frekuensi Tinggi Badan")
```



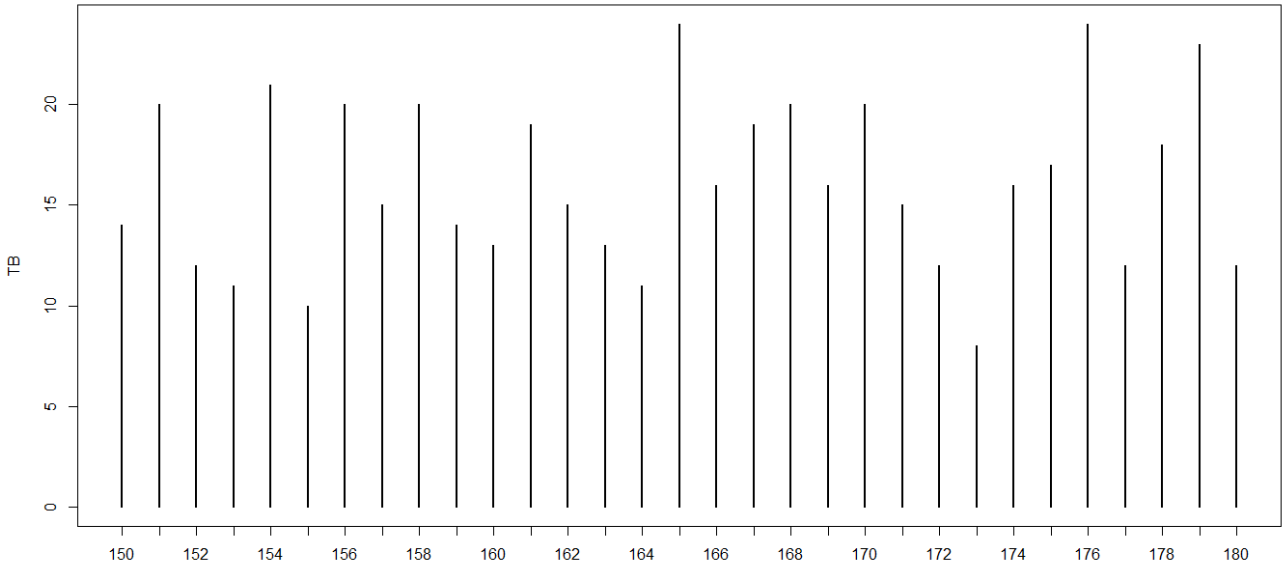
c. Histogram

```
hist(TB, col = rainbow(8))
```



d. Plot

```
plot(TB)
```



e. Scatter Plot

```
plot(TB, type = "p")
```